

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	((ERIK) near2 (MOENS)).INV.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/08 17:53
S4	272	417/42.ccls.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/08 17:53
S5	1	US-5782608-\$.DID.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/08 18:02
S6	0	2002/088241	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/08 18:02
S7	0	"2002088241"	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/08 18:02
S8	12422	kimura.in.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/08 18:03
S9	269	S8 and kazuya	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/08 18:03
S10	1	"20020088241".did.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/08 18:04
S11	34	(rotation (optimize or shift) range speed temperature) and compressor	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/08 18:11
S12	13167	hysteresis temperature	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/08 18:12
S13	662	S12 and compressor	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/08 18:12
S14	119	S13 and ((speed or rotation\$3 or "RPM") with range)	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/08 18:13
S15	399	417/18.ccls.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 07:15
S16	151	S15 and temperature	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 07:24
S17	9	S15 and hysteresis	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 07:24

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S18	383	417/32.ccls.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 15:52
S19	144	S18 and speed	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 08:34
S20	10	S18 and (continue\$5 (variable or vary\$3))	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 08:35
S21	13	S18 and hysteresis	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 08:36
S22	23	("4659290").URPN.	USPAT	SAME	OFF	2007/05/09 08:40
S23	14	("3912162"   "4015182"   "4297851"   "4459519"   "4659290"   "4712050"   "5457766"   "5847526"   "6191546"   "6204623"   "6428282"   "6545438"   "6594554").PN. OR ("6737824").URPN.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 08:55
S24	80	hysteresis compressor speed control	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 09:11
S25	17	S24 and idle	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 09:58
S26	17	S18 and idle	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 09:22
S27	45	("5484012").URPN.	USPAT	SAME	OFF	2007/05/09 09:14
S28	18	((lower with limit) or minimum) temperature) control compressor (shift or optimal) range speed	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 10:17
S29	1	setpoint range vary control temperature speed compressor	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 10:21
S30	3	range control temperature speed compressor ((step with down) or "stepdown" or (jump near3 down))	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 10:28
S31	334	speed limit range temperature control compressor	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 10:28
S32	13	S31 and hysteresis	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 10:36

## EAST Search History

S33	3	((speed near3 range) with (vary or shift or optimize)) same control same (temperature near5 (sensitive or dependent))	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 10:39
S34	0	((speed near3 range) with (vary or shift or optimize)) control compressor tempearature	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 10:40
S35	23	((speed near3 range) with (vary or shift or optimize)) control compressor temperature	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 10:40
S36	13	("4488411"   "4856291"   "4898005"   "4926651"   "5018362"   "5163399").PN. OR ("5216895"). URPN.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 12:55
S37	8	("5618167"   "5879139"   "6056510"   "6123522").PN. OR ("6416290"). URPN.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 13:21
S38	5	(hysteresis with (module or control)) compressor speed range	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 13:22
S39	9151	(hysteresis with (module or control))	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 13:22
S40	1090	S39 and (speed with range)	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 13:23
S41	98	S40 and compressor	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 14:38
S42	174	speed limiter compressor	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 14:38
S43	13	S42 and hysteresis	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 14:39
S44	22	("4407139"   "4467616"   "4485634").PN. OR ("4662185"). URPN.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 14:50
S45	54	(temperature sensitive speed range limit) and compressor	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 15:43
S46	2	overheat control compressor speed range limit	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 15:46
S47	48	(critical temperature control) and (speed with limit operate) and compressor	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 15:47

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S48	32	(operat\$3 condition maximize speed control compressor)	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 15:48
S49	355	417/22.ccls.	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 15:52
S50	12	S49 and hysteresis	US-PGPUB; USPAT; USOCR	SAME	OFF	2007/05/09 15:52
S51	327	318/461.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/05/10 10:07
S52	854	318/471.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/05/10 10:07
S53	167	388/800.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/05/10 10:13
S55	3521	318/254.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/05/10 10:07
S57	42	(S51 or S52) and hysteresis	US-PGPUB; USPAT; USOCR	SAME	ON	2007/05/10 10:08
S58	2	S53 and ("overheat" and (protection or avoid))	US-PGPUB; USPAT; USOCR	SAME	ON	2007/05/10 10:14